



*Summer
2004*



HOOSIER SAFETY

A Publication of
The Indiana State Emergency Management Agency
and Department of Fire and Building Services

**2004
INDIANA EMERGENCY
RESPONSE CONFERENCE
September 17th - 19th
Indianapolis East
Marriott Hotel**

General Session Speakers

Friday, Saturday, and Sunday
September 17 - 19, 2004
Scott DeBoer, RN, MSN
Edward A. Bartkus, MD, EMT-P
James Spiller, MD
Peter Dillman, MD

Preconference Seminars

Wilderness EMS
Extrication Techniques
Traumatic Brain Injuries

Skills Proficiency

Friday and Saturday
Sept. 17 & 18, 2004

Banquet

Saturday, Sept. 18, 2004, 6 p.m.
Dinner--- Marriott Hotel



EMS

THERE WHEN YOU NEED US

Trade Expo

Sept. 17 and 18, 2004
State and national vendors display
the latest equipment, technology and
emergency vehicles.
Door prizes and give-aways at the
Vendor Open House, Friday 5:30 p.m.

Awards Ceremony

Saturday, Sept 18, 2004, 7 p.m.
Marriott Hotel

Memorial Service

Sunday, September 19, 8:30 a.m.
Marriott East Hotel.

See the Full Conference Agenda on page 4

I N S I D E

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NEVIL NAMED STATE FIRE MARSHAL



The Executive Director of the Indiana State Emergency Management (SEMA) Agency/Department of Fire and Building Services (DFBS) and Chair of the Public Safety Training Institute (PSTI), Luther J. Taylor Sr. announced the appointment of Ivan Nevil as State Fire Marshal in early July. Taylor said, "Indiana is fortunate to have someone of Ivan Nevil's background and character to serve as State Fire Marshal."

Nevil was most recently Administrator of the PSTI Fire Academy. He started with the Office of the State Fire Marshal in 1992 as Director of Training and was appointed to his present position in 1993.

Nevil is a second-generation firefighter. He has been with the Geneva Volunteer Fire Department in Adams County for 43 years. His father served on the department for 46 years. He said the challenge of the fire service is incredible, "Every run is different, every fire is different. You are always learning."

Nevil began his duties as State Fire Marshal on Monday, July 6th. He replaces M. Tracy Boatwright who retired on June 30th, after nearly 11 years, to pursue a career in private business. Boatwright served as State Representative for District 31 from 1987 to 1992 and on Governor Evan Bayh's staff as a legislative liaison before his appointment State Fire Marshal. He also served on the Fire Department for the City of Marion, Indiana for 20 years. ●



State Fire Marshal M. Tracy Boatwright (left) is bid farewell by Executive Director of the State Emergency Management Agency Luther J. Taylor Sr.

INDIANA A DISASTER AREA.....AGAIN!

For the third time in two years, a holiday storm has left Hoosiers eligible for federal aid. Last year it was Independence Day and Labor Day. This time it was Memorial Day Weekend.

The system entered the state on May 27, causing flash flooding in Spencer County, but the most devastating blow would come on May 30 when a tornado devastated the Town of Marengo, and hit southern Marion County, Peru, Lafayette and other areas. The National Weather Service reports at least 11 touchdowns occurred that day.

Sixty-nine counties are eligible for Individual Assistance (IA), Public Assistance (PA) or both. They are: Adams, Allen, Benton, Boone, Brown, Carroll, Cass, Clark, Clay, Clinton, Crawford, Dearborn, Decatur, DeKalb, Delaware, Dubois, Floyd, Fountain, Franklin, Fulton, Gibson, Grant, Greene, Hamilton, Hancock, Harrison, Hendricks, Henry, Howard, Huntington, Jackson, Jasper, Jefferson, Jennings, Johnson, Kosciusko, Lake, Lawrence, Madison, Marion, Martin, Miami, Monroe, Montgomery, Morgan, Newton, Noble, Ohio, Orange, Owen, Perry, Pike, Putnam, Ripley, Scott, Shelby, Spencer, Switzerland, Tippecanoe, Tipton, Union, Vanderburgh, Wabash, Warren, Warrick, Washington Wells, White and Whitley counties.

As of press time, more than \$9 million in grants and loans had been approved under IA and over \$7 million in PA had been identified. ●

PURDUE UNIVERSITY NORTH CENTRAL (PNC) FIRST UNIVERSITY IN STATE TO COMPLETE COMMUNITY EMERGENCY RESPONSE TEAM (CERT) TRAINING



***Community Emergency Response Team (CERT)
Training at the Purdue University North Central
Campus, April 4, 2004***

Fourteen Purdue University North Central (PNC) (Westville, IN) faculty and staff members completed CERT training, making PNC the first Indiana campus to have a certified CERT team.

The CERT team members will be able to aid the PNC police and other rescue workers should a disaster or emergency strike the campus and can assist with basic first aid, light search and rescue, small fire suppression and disaster scene organization. While they will not be used in place of the police, they will be able to provide critical support to emergency personnel and give immediate assistance to victims before help arrives.

"I am pleased that the campus community responded to my call to participate," said PNC Chief of Police Robert Gaekle, who completed the PNC CERT training. "It is important for us to have additional trained personnel on campus that can provide much-needed assistance should an emergency strike."

The three-day training session, led by a four-member team of professionals from the Michigan City Emergency Management Agency, culminated in a disaster preparedness drill on campus that put their class training to the test.

The drill simulated the scenario of a tornado hitting Westville, a fire striking a business, and blocked or collapsed roads and bridges near PNC. For

the drill, CERT members were told casualties may have occurred at a church in Otis. Complicating things was the fact that the team "discovered" people on campus participating in a clean-up project. Team members were asked to respond to this emergency, remembering their focus is "to do the greatest amount of good for the greatest amount of people."

The PNC CERT volunteers took their assignment seriously. All agreed they were drawn to the training by a desire to help those around them in the time of emergency.

Dr. George T. Asteriadis, assistant vice chancellor for academic affairs, explained, "As a member of the PNC community for 32 years and part of the academic growth at this campus, this was an excellent opportunity to potentially help PNC in a nonacademic way and possibly save the lives of my friends, colleagues, and students if a disaster were to hit PNC. The CERT team will probably be incorporated into the overall emergency response plan for the campus under the direction of the chief of police, who is part of the CERT team."

Nancy Nickels, Department of Nursing secretary, fulfilled a long-held desire to help others. "I have an interest in health care, specifically the emergency and trauma side of things. I jumped at the opportunity to learn a wealth of information that was so easily accessible at our campus! The course was organized, exciting and so informative that if I remember a third of what was presented I can function in a disaster and 'do the greatest amount of good for the greatest number of people.' This benefits our community, campus and our neighbors."

Personal experiences moved others to volunteer. Brenda David, Information Services operations specialist said, "I saw the aftermath and the confusion caused when a tornado hit the county where I was raised and my family still lives. Two years ago a tornado went through Union Mills, where I now live. Again, I saw the destruction and confusion. I want to be part of the help, and not be a contributor to the confusion."

ANNUAL EMERGENCY RESPONSE CONFERENCE AGENDA

Pre-Conference Special Events

-Thursday Sept 16, 2004

8 a.m. to 8 p.m.

Wilderness EMS. Peter A. Dillman, EdD, EMT-P, PI. Outdoor Education Services

This unique and exciting course is the only wilderness first aid training course offered in this area. Successful completion will result in basic wilderness first aid certification. EMT and Paramedic continuing education hours will be given at the conclusion of each session. Limited to the first 20 people. \$65.00 with a 3-day paid conference registration or \$125.00 per person. Parts of this course will be held offsite.

12 p.m. to 4 p.m.

Extrication Techniques That Assist EMS Personnel. Peewee Warren, Plymouth Fire and EMS, Firefighter/EMT. Tammy Neibert, Warren Twp Fire Dept. Firefighter/EMT-P

The purpose of this course is to show how coordination of extrication teams and other emergency personnel benefits patients. Students will help with the removal of patients that find themselves in difficult unique vehicle scenarios. This is not an extrication class. This is a class on EMS personnel working together with Special Rescue Teams performing removal and medical assistance of patients from vehicles. Limited to the first 30 people. Free with a 3-day paid conference registration or \$20.00 per person. Students should bring their own protective gear.

8 a.m. to 11:30 a.m. or 1 p.m. to 4:30 p.m.

Traumatic Brain Injury Course. Kevin Wellman, EMT-P, PI, RN. EMS Coordinator, Lutheran Hospital.

Prehospital personnel consider traumatic brain injury (TBI) one of the most serious and difficult challenges that responders encounter in the field, especially when the patient is a child. TBI is a serious health problem in the United States with almost two million injuries occurring each year, the majority of which are caused by traffic crashes, followed by gun shot wounds, falls and sports injuries. It is the leading

cause of death and disability in children and young adults. TBI is a potentially treatable injury, and providers of emergency medical services are a critical first link to improved outcome for the patient. Each session will be limited to 30 people. Interested individuals should sign up for the morning or afternoon sessions. Free with a 3-day paid conference registration or \$10.00 per person.

Conference Events

Skill Proficiency Sessions

- Friday, September 17, 2004:

10 a.m. - 5:45 p.m., Bleeding & Shock, Long Bone & Joint Immobilization, Traction Splinting, and Spinal Immobilization Seated & Supine.

- Saturday, September 18, 2004:

Morning Sessions: 9:30 a.m. - 11:45 a.m., Patient Assessment-Medical/Trauma, Bleeding & Shock, Cardiac Arrest-AED & BVM/Combitube, and Apneic Patient O₂ Admin/Airway, O₂ & Vent/Mouth to Mask.

Afternoon Sessions: 1p.m. - 4:30 p.m., Cardiac Arrest/AED & BVM/Combitube, Patient Assessment-Medical/ Trauma, and Bleeding & Shock, Long Bone & Joint Immobilization, Traction Splinting, and Spinal Immobilization Seated & Supine.

Emergency Medical Dispatch (EMD) Special Skills Lab

- Friday, September 17, 2004: 11 a.m. - 4:30 p.m., EMD training/simulation/hands-on program.

- Saturday, September 18, 2004: Morning Sessions: 9 a.m. - 3 p.m., EMD training/simulation/hands-on program.

Daily Events

General sessions and seminars are categorized as follows:

ALL - Appropriate for all audiences,

ADV - Advanced Life Support,

EDU - Educator, MGT - Management

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“AGENDA” *from page 4***Friday, September 17, 2004*****ALL - 9 a.m. to 11:15 a.m.***

Trauma Grand Rounds, Edward A. Bartkus, EMT-P, MD, FACEP, EMS Medical Director, Emergency Medicine and Trauma Center, Clarian Methodist Hospital. This will be a comprehensive presentation of challenging trauma cases. You will be taken from the scene of the injury to release from the trauma center.

11:15 a.m. to 1 p.m.***LUNCH: In the Vendor Hall. Cash and carry.******ALL - 1 p.m. to 2 p.m.***

CHF, Why it Develops and How to Treat it. James Spiller, MD, Medical Director for Southwest Medical Ambulance Service, and Air Evac of Indiana, Emergency Department Director for Daviess Community Hospital. Congestive Heart Failure is one of EMS personnel's greatest challenges. This session explores the latest prehospital treatment modalities.

2:15 p.m. to 3:15 p.m.

ALL - SARS and TB in EMS, Deb McMahon, MD.
ADV - OB/GYN Emergencies, Jackie Richey, EMT-P, PI, RN, Quality Assurance and Training Manager, Rural/ Metro of IN.
MGT - Hiring and Employee Relations, Teresa Hall, EMT-P, PI, J.D.
EDU - Developing Techniques to Bring ALL Students Together, Allen Borck, EMT-P, PI, EMS Coordinator, Greater Lafayette Health Services, Inc.
ALL - Hybrid Cars, Peewee Warren, Firefighter, EMT, Plymouth Fire and EMS.

3:30 p.m. to 4:30 p.m.

ALL - Practical Application of Triage, Colin Smart.
ADV - Poisons: The Unknown Assailants, Don Hess, EMT-P, PI, Coordinator, St. Anthony Medical Center EMS Academy.
MGT - On Line Learning, The Training Director's Best Friend, John Dunavan, Healthstream EMS.
EDU - Tricks of the Trade, Running a Training Institution, Bill J. Hufford, REMTP, PI, Director, Fayette Memorial Hospital EMS.

ALL - Industrial Response, Joe Amrhein, BS, ChE, EMT-B, Eli Lilly & Co.

4:45 p.m. to 5:45 p.m.

ALL - Creative Carries and Creative Uses of Equipment, Bill J. Hufford, REMTP, PI, Director, Fayette Memorial Hospital EMS.

ADV - Respiratory Distress in Kids, John Sparzo, MD, Hendricks Regional Health.

MGT - Adopting a Customer Service Attitude in EMS, Tim Deckert, NEMTP, PI, Chief Paramedic, Kings Daughters' Hospital and Health Services.

EDU - Teaching in a College Environment, Steve Grammer, EMT-P, PI, Program Director, Ivy Tech State College, Fort Wayne.

ALL - Unified Command in the 2002 Marion County Tornadoes, Jeff Quinn, EMT-P, PI, Firefighter, Lieutenant, Perry Township Fire Department.

Saturday, September 18, 2004***ALL - 8:15 a.m. to 9:15 a.m.***

The Medicinal History: Clues, Care, and Caveats, Peter A. Dillman, EdD, EMT-P, PI. This presentation will prepare you to obtain a more thorough patient history making you smarter about your patient assessments and improving your quality of care.

9:30 a.m. to 10:30 a.m.

ALL - Introduction to Wilderness First Aid Education and Training, Peter A. Dillman, EdD, EMT-P, PI.

ADV - Intermediate EMT as Your Highest Level of Service, Ron Parsons, EMT-I, PI, Wayne Scheutz, EMT-I.

MGT - Organizing Your Billing Part 1, Maggie Adams, PWW Consulting, Inc.

EDU - National Registry Update, Bill Brown, Executive Director, National Registry of Emergency Medical Technicians.

ALL - Injuries From Less than Lethal Weapons and Positional Asphyxia as a Result of Restraint, Tom Arkins, EMT-P, CQI Coordinator, Wishard EMS, Indianapolis.

See "Agenda" page 6

“AGENDA” *from page 5*

10:45 a.m. to 11:45 a.m.

ALL - A Trauma Patient Unlike Any Other: Crucifixion, Scott DeBoer, RN, MSN.

ADV - Critical Care Transfer Medications, Tim Abram, EMT-P, PI, EMS Educator, EMT Inc.

MGT - Organizing Your Billing, Part II, Maggie Adams, PWW Consulting, Inc.

EDU - EMS Education Agenda for the Future, Bill Brown, Exec. Dir., National Registry of Emergency Medical Technicians.

ALL - Everything I Needed to Know about EMS I Learned in Kindergarten, Kim Fischer, EMT-P, PI, Heather Coburn, EMT-P, PI, Hendricks Regional Health Care.

11:45 a.m. to 1 p.m. - LUNCH: *In the Vendor Hall. Cash and carry.*

1 p.m. to 2 p.m.

ALL - Emergency Care of Crashing Kids, Scott DeBoer, RN, MSN. Caring for a critically ill child can sometimes cause anxiety and fear in even the most seasoned of medical professionals. This lecture will review the essential components of a rapid pediatric assessment along with some “just like adults” treatment tips. Through the use of real-life case studies, emergency personnel will come away better able to provide for crashing kids.

2:15 p.m. to 3:15 p.m.

ALL - Neurological Emergencies, Don Hess, NEMTP, PI, Coordinator St. Anthony Medical Center EMS Academy.

ADV - Acute Coronary Syndromes, Guy H. Haskell, PhD, NREMTP, Director, Emergency Medical and Safety Services Consultants.

MGT - The Real Challenge of Billing, Maggie Adams, PWW Consulting, Inc.

EDU - Brain Based Learning, Jim Floyd, BS, EMT-P, PI, Ivy Tech State College, Indianapolis.

ALL - Driving Update, Part I, Steve Garrison, EMT-P, PI, RN, EMS Coordinator, Memorial Hospital, South Bend.

3:30 p.m. to 4:30 p.m.

ALL - EMD Is Coming to Town, Sherry Taylor, BS, EMT-B, Indianapolis Fire Department, Communications Manager.

ADV - Dead, Dead & Dead, Emergency Burn Care What You Really Need to Know, Scott DeBoer, RN, MSN.

MGT - Internal Collections, Getting Patients to Pay, Maggie Adams, PWW Consultants, Inc.

EDU - Instructor Round Table, Various PIs led by Pat Savell, EMT-P, PI, EMS Educator, St. Anthony’s Med. Ctr. EMS Academy.

ALL - Driving Update Part II, Steve Garrison, EMT-P, PI, RN, EMS Coordinator, Memorial Hospital, South Bend.

Sunday, September 19, 2004

ALL - 9:30 a.m. to 10:30 a.m.

Bloodletting, Barbers, and Bugs, The Unbelievable History of Medicine, Scott DeBoer, RN, MSN.

This fascinating and informative talk looks at the history and evolution of medicine. From the earliest times, parents have looked to medicine, and later nursing & EMS to help their children and some of the most bizarre treatments imaginable have been tried. This unique look at medical history will give attendees a chance not only to understand the origins of many currently utilized procedures, but also glimpse at what the future may hold.

10:45 a.m. to 11:45 a.m.

ALL - Jump into Triage: A Look at the Triage of the Pediatric Patient, Don Hess, EMT-P, PI, Coordinator St. Anthony Medical Center EMS Academy.

ADV - Capnography, What We Don’t Know Can Hurt Us, Michael Seaver, EMT-P, RN.

MGT - Running a Successful PAD Program, Steve Brock, EMT-P, Director of EMS, Brown Township Fire and Rescue, President, Morgan County EMS Association.

ALL - Ambulance Competition Review, Judges from the 2004 Governors Cup Ambulance Competition.

ALL - Meth Labs, Part I, Mike Bigler, Chief Deputy State Fire Marshal.

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“AGENDA” from page 6

11:45 a.m. to 1 p.m. - LUNCH: *You're on your own.*
1 p.m. to 2 p.m.

ALL - *How Long Can You Hold Your Breath, The Near Drowning Experience*, Scott DeBoer, RN, MSN.

ADV - *Alive and Arrest, How Far Have We Come and Where are We Going?*, Michael K. Matheny, BS, NREMT-P, PI, Community Health Network.

MGT - *EMS Associations, Gaining Support*, Steve Brock, EMT-P, Director of EMS, Brown Township Fire and Rescue, President, Morgan County EMS Association.

EDU - *Training By the Book, Part I*, Sam Steinhilber, EMT-P, PI, Training Coordinator, Public Safety Training Institute.

ALL - *Meth Labs, Part II*, Mike Bigler, Chief Deputy State Fire Marshal.

2:15 p.m. to 3:15 p.m.

ALL - *Crime Scene Management*, Lt Rick Kiefer, Indiana Law Enforcement Academy.

ADV - *Traumatic Brain Injury*, Kevin Wellman, EMT-P, PI, RN, Coordinator of Critical Care Transport and EMS, Lutheran Hospital Emergency Department.

MGT - *Surviving Burnout: “MY EMERGENCY”*, Allen Borck, BS, NREMT-P, PI, EMS Coord., Greater Lafayette Health Svcs., Inc.

EDU - *Training By the Book, Part II*, Sam Steinhilber, EMT-P, PI, Training Coordinator, Public Safety Training Institute.

ALL - *Meth Labs Part III*, Mike Bigler, Chief Deputy State Fire Marshal.

ALL - 3:30 p.m. to 4:30 p.m.

Unbelievable But True Case Studies, Scott DeBoer, RN, MSN. EMS personnel sometimes do not realize the impact that they have on patients and their families. In this current age of restructuring, floating and downsizing, the patient's outcome can be closed with the chart and our contributions quickly forgotten. Through a review of unbelievable case studies, this lecture will help remind attendees about why they really went into EMS and the differences that we make every day. ●

“CERT” from page 3

Tim West, Media Services technician added, “I joined CERT for my children. I want to be able to help them in any way possible. Second, if I'm on the job, I can take charge and help. Those completing this training found out that they didn't know as much about emergency aid as they thought they knew.”

John Jones, director of the Michigan City Emergency Management Agency, complimented the PNC team, “The PNC CERT training went extremely well because of the high level of participation and attention to detail from the students. Having a class of professional educators is enough to make any CERT instructor a bit nervous, but the PNC team was interested in one thing - getting it right!

“I was pleased to hear the ideas that emerged as the team talked about planning strategies, securing additional supplies for the campus and preplanning for hazards on campus. I believe in the CERT program and am confident that the PNC Campus is a safer place now than it had been, thanks to its new team.”

Patricia A. Carlisle, special assistant to the chancellor, summed up the sentiments of many class members stating, “I found the training to be an excellent match to my needs, and is an excellent beginning of what will be needed to make this team an effective supplement to the PNC police in an emergency. The training provided me a basis for evaluating my own home and being prepared to take care of myself and to help my neighbors. I am pleased to be part of this team . . . but I hope I never to have to use these skills.”

Others completing the PNC training are: Dr. Linda Duttlinger, Developmental Studies chair; Barbara Miller, Information Services lab technician; Bridget Cadwell, Print and Mail Services supervisor; Kristi Thomas, Learning Center secretary; Linda Rizer, Dean of Students Office secretary; Rick Bohan, physics lab technician; Stanley Roller, assistant professor of computer technology; Susan MacLeod, public services library assistant and community members Dennis and Pat Boy, Katie Answorth and Todd Miller.

by: Carol Connelly, Director, Media & Communication Services, PNC ●

NEUTRALIZATION OF NERVE AGENT VX

The Army plans to begin destroying the chemical warfare agent VX stored at the Newport Chemical Agent Disposal Facility (NECDF) in Newport later this year. The process, referred to as caustic neutralization, involves mixing the agent with hot sodium hydroxide and water. This process will yield a liquid material, called caustic wastewater, or hydrolysate, that will be analyzed in the on-site laboratory at the disposal facility to ensure that the chemical agent is destroyed. Destruction is confirmed by at least two trained experts within the Newport laboratory, with additional oversight performed by independent, international Chemical Weapons Treaty inspectors and officials from the Indiana Department of Environmental Management. The resulting wastewater will be transported to a permitted wastewater facility for environmental treatment only after laboratory verification of agent destruction. The word "hydrolysate" is a common technical term used by industry to describe the material left over after a reaction with water and results in the breakdown of a chemical compound.

Three key points to remember about the hydrolysate, or caustic wastewater, include:

- The caustic wastewater resulting from the neutralization process is not nerve agent.
- The wastewater cannot reformulate into nerve agent.
- The wastewater has none of the hazardous characteristics of nerve agent.

The greatest hazard associated with hydrolysate is that it contains the corrosive material sodium hydroxide, which is used in the agent destruction process. Caustic wastewater has characteristics similar to many of the wastes that are commonly and safely transported daily throughout the United States.

By partnering with industry professionals experienced in safely transporting and treating similar materials, the Army can accelerate the stockpile destruction process at Newport. The sooner the chemical agent stockpile can be safely destroyed, the safer the surrounding community will be.

Treatment of the caustic wastewater by a permitted commercial facility is considered the best option that would allow the Army's skilled and experienced professionals to concentrate on what it knows best - safely destroying the chemical agent - while experi-

enced industry professionals safely treat the resulting waste. This option will allow the NECDF to start agent destruction in 2004.

Transportation of the caustic wastewater, as with all hazardous material transportation, will be in strict compliance with U.S. Department of Transportation regulations. The transportation will also be managed in close coordination with appropriate state emergency management officials along the transportation route. ●



In a formal Change of Command Ceremony at the Newport Chemical Agent Disposal Facility, Lieutenant Colonel Scott D. Kimmell (second from right) accepts command of the facility from Lieutenant Colonel Joseph F. Marquart (second from left).



Executive Director of the State Emergency Management Agency Luther J. Taylor Sr. congratulates and welcomes Lieutenant Colonel Scott D. Kimmell after the recent Newport Chemical Agent Disposal Facility change of command ceremony.